

PATENT Docket No. 404302000800

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Express Mail Label No.: EV 335 369 616 US

Date of Deposit: July 21, 2004

Examiner: J. Di Grazio

Group Art Unit: 2871

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Kyoung I. MIN et al.

Serial No.:

10/014,290.

Filing Date: December 10, 2001

LIQUID CRYSTAL DISPLAY AND FINGERPRINT CAPTURE PANEL

> SUPPLEMENTAL INFORMATION DISCLOSURE **STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

Regarding references number 390, 391, 393, and 395, Applicants wish to draw the attention of the Examiner to the fact that the year of the publication submitted is sufficiently earlier than the effective U.

S. filing date of the related application so that the particular month of publication is not in issue.

	This S	upplemental Information Disclosure Statement is submitted:
	With the	he application; accordingly, no fee or separate requirements are required.
\boxtimes	Before	the mailing of a first Office Action after the filing of a Request for Continued
	Exami	nation under § 1.114. However, if applicable, a certification under 37 C.F.R. §
	1.97(e)	(1) has been provided.
	Within	three months of the application filing date or before mailing of a first Office
	Action	on the merits; accordingly, no fee or separate requirements are required.
	Howev	ver, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
	After r	eceipt of a first Office Action on the merits but before mailing of a final Office
	Action	or Notice of Allowance.
		A fee is required. A check in the amount of is enclosed.
		A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached
		to this submission in duplicate.
		A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee
		is believed to be due.
	After r	nailing of a final Office Action or Notice of Allowance, but before payment of the
	issue f	ee.
		A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the
		amount of is enclosed.
		A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal
		form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search

has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. §1.17(p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 404302000800. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated:

July 21, 2004

Respectfully submitted,

By:

Douglas G. Hodder

Registration No. 41,840

Morrison & Foerster LLP 755 Page Mill Road

Palo Alto, California 94304-1018

Telephone: (650) 813-4203 Facsimile: (650) 494-0792

Form PTO-1449
INFORMATION DISCLOSION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 404302000800	Application Number 10/014,290
Applicant	
Kyoun	ng I. MIN et al.
Filing Date December 10, 2001	Group Art Unit 2871

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	08/15/2002	2002/0110266	Teng et al.		*****	
	2.	03/20/2003	2003/0053228	Lee et al.			
	3.	05/14/1968	3,383,657	Claassen et al.			
	4.	02/04/1975	3,864,042	Leventhal			
	5.	02/11/1975	3,865,488	Del Rio			
	6.	03/25/1975	3,873,970	McMahon et al.			
	7.	05/06/1975	3,882,462	McMahon			
	8.	06/24/1975	3,891,968	McMahon			
	9.	03/30/1976	3,947,128	Weinberger et al.			
	10.	07/06/1976	3,968,476	McMahon			
*****	11.	09/28/1976	3,982,836	Green et al.			
	12.	11/23/1976	3,993,888	Fellman			
	13.	01/18/1977	4,003,656	Leventhal			
	14.	05/24/1977	4,025,898	Shaw		Ş	
	15.	02/06/1979	4,138,058	Atalla			
	16.	02/20/1979	4,140,272	Atalla			
	17.	01/20/1981	4,246,568	Peterson			
	18.	02/24/1981	4,253,086	Szwarcbier			
	19.	03/31/1981	4,258,994	Task			
	20.	03/30/1982	4,322,163	Schiller			
	21.	06/29/1982	4,336,998	Ruell			
-	22.	07/06/1982	4,338,025	Engel			
	23	10/05/1982	4,353,056	Tsikos		<u></u>	
	24.	11/09/1982	4,358,677	Ruell et al.			
	25.	05/31/1983	4,385,831	Ruell	1		
	26.	07/19/1983	4,394,773	Ruell			

EXAMINER: DATE CONSIDERED:

(Use several sheets if necessary)

Docket Number 404302000800 Application

Application Number 10/014,290

Applicant

Kyoung I. MIN et al.

Filing Date December 10, 2001

Group Art Unit 2871

Mailing Date July 21, 2004

	27.	01/31/1984	4,428,670	Ruell et al.		
	28.	01/31/1984	4,429,413	Edwards		
	29.	06/19/1984	4,455,083	Elmes		
_	30.	08/28/1984	4,467,545	Shaw, Jr.	-	
	31.	12/04/1984	4,486,180	Riley		
	32.	08/27/1985	4,537,484	Fowler et al.		
	33.	10/01/1985	4,544,267	Schiller		-
	34.	11/19/1985	4,553,837	Marcus		
	35.	02/04/1986	4,569,080	Schiller		
	36.	03/18/1986	4,577,345	Abramov		
	37.	04/15/1986	4,582,985	Löfberg		
	38.	01/13/1987	4,636,622	Clark		
	39.	07/21/1987	4,681,438	Kaneko		
	40.	08/04/1987	4,684,802	Hakenewerth et al.		
	41.	08/25/1987	4,688,995	Wright et al.		
	42.	10/20/1987	4,701,959	Asai et al.		
	43.	03/01/1988	4,728,186	Eguchi et al.		
	44.	03/01/1988	4,729,128	Grimes et al.		
	45.	05/17/1988	4,745,268	Drexler		``
	46.	08/30/1988	4,768,021	Ferraro		
	47.	11/08/1988	4,783,167	Schiller et al.		
	48.	11/08/1988	4,783,823	Tasaki et al.		
	49.	11/15/1988	4,784,484	Jensen		
	50.	11/15/1988	4,785,171	Dowling, Jr. et al.		
	51.	11/29/1988	4,787,742	Schiller et al.		
	52.	12/20/1988	4,792,226	Fishbine et al.		
	53.	05/30/1989	4,835,376	Drexler		·
	54.	10/24/1989	4,876,725	Tomko		
	55.	12/26/1989	4,889,983	Numano et al.		

EXAMINER	
-----------------	--

DATE CONSIDERED:

INFORMATION SISCLOSUSE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 404302000800

Application Number 10/014,290

Applicant.

Kyoung I. MIN et al.

Filing Date December 10, 2001

Group Art Unit 2871

Mailing Date July 21, 2004

	**		
56.	02/27/1990	4,905,293	Asai et al.
57.	05/08/1990	4,924,085	Kato et al.
58.	05/15/1990	4,925,300	Rachlin .
59.	06/12/1990	4,932,776	Dowling, Jr. et al.
 60.	06/26/1990	4,936,680	Henkes et al.
 61.	08/07/1990	4,946,276	Chilcott
 62.	12/11/1990	4,977,601	Bicz
 63.	12/18/1990	4,979,007	Ogawa et al.
64.	02/19/1991	4,995,086	Lilley et al.
65.	09/17/1991	5,050,220	Marsh et al.
66.	10/01/1991	5,053,608	Senanayake
 67.	11/19/1991	5,067,162	Driscoll, Jr. et al.
68.	12/31/1991	5,077,803	Kato et al.
69.	02/18/1992	5,088,817	Igaki et al.
 70.	03/10/1992	5,095,194	Barbanell
 71.	04/07/1992	5,103,486	Grippi
72.	08/11/1992	5,138,468	Barbanell
73.	09/01/1992	5,144,680	Kobayashi et al.
74.	09/08/1992	5,146,102	Higuchi et al.
75.	11/10/1992	5,162,644	Nagata et al.
76.	12/29/1992	5,175,593	Kumagai et al.
77.	01/05/1993	5,177,353	Schiller
78.	02/16/1993	5,187,748	Lee
79.	03/16/1993	5,193,855	Shamos
80.	04/06/1993	5,200,634	Tsukada et al.
81.	05/25/1993	5,214,699	Monroe et al.
82.	06/22/1993	5,222,152	Fishbine et al.
83.	06/29/1993	5,224,173	Kuhns et al.
. 84.	06/29/1993	5,224,174	Schneider et al.

EXAMINER:

DATE CONSIDERED:

INFORMATION DESCLOSUSE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 404302000800

Application Number 10/014,290

Applicant

Kyoung I. MIN et al.

Filing Date December 10, 2001

Group Art Unit 2871

Mailing Date July 21, 2004

							
	0.5	07/20/1002	5 220 764	Matchett et al.		<u> </u>	
	85.	07/20/1993	5,229,764				
	86.	07/20/1993	5,230,025	Fishbine et al.			
	87.	08/24/1993	5,239,590	Yamamoto			
	88.	08/31/1993	5,241,606	Horie			
	89.	11/02/1993	5,259,025	Monroe et al.			
	90.	11/09/1993	5,261,008	Yamamoto			
	91.	12/07/1993	5,268,963	Monroe et al	٠.		
	92.	01/18/1994	5,280,527	Gullman et al.			
	93.	05/03/1994	5,309,288	Kahre			
	94.	06/28/1994	5,325,442	Knapp			
	95.	08/09/1994	5,337,369	Shibuya			
	96.	08/30/1994	5,343,529	Goldfine et al.			
	97.	09/20/1994	5,349,174	Van Berkel et al.			
	98.	11/08/1994	5,363,453	Gagne et al.			
	99.	12/13/1994	5,373,181	Scheiter et al.			
	100.	01/31/1995	5,386,104	Sime			
	101.	03/28/1995	5,400,662	Tamori			
	102.	05/30/1995	5,420,936	Fitzpatrick et al.			
	103.	05/30/1995	5,420,937	Davis			
	104.	06/20/1995	5,426,708	Hamada et al.			
	105.	08/29/1995	5,446,290	Fujieda et al.			
	106.	09/05/1995	5,448,649	Chen et al.			
	107.	09/05/1995	5,448,659	Tsutsui et al.			
	108.	10/10/1995	5,456,256	Schneider et al.			-
	109.	11/07/1995	5,465,303	Levison et al.			
	110.	01/02/1996	5,480,810	Wei et al.			
	111.	01/16/1996	5,485,312	Horner et al.			
	112.	02/20/1996	5,493,621	Matsumura			
	113.	04/02/1996	5,503,029	Tamori			

EXAMINER:

DATE CONSIDERED:

Form PTO-1449
INFORMATION ASCLOSUSE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

	5
Docket Number 404302000800	Application Number 10/014,290
Applicant	
Kyou	ing I. MIN et al.
Filing Date December 10, 2001	Group Art Unit 2871

			M	1ailing Date July 21, 2	2004		
114.	04/16/1996	5,509,083	Ahtah	i et al			
115.	04/30/1996	5,513,272	Abtahi et al. Bogosian, Jr.				
				51a11, J1.			
116.	05/07/1996	5,515,298	Bicz	•	_		
117.	05/14/1996	5,515,738	Tamoi	·		<u> </u>	
118.	05/28/1996	5,521,731		vama et al.		ļ	
119.	06/04/1996	5,524,161	Omori				
120.	06/18/1996	5,526,701	Tamoi	·			
121.	07/30/1996	5,541,994		o et al.			
122.	08/13/1996	5,546,471	Merja			<u> </u>	
123.	09/24/1996	5,559,504	Itsumi			_	
124.	10/08/1996	5,563,345	Kerste	en et al.			
125.	12/24/1996	5,587,533	Schne	ider et al.			
126.	01/21/1997	5,596,454	Heber	t			
127.	01/28/1997	5,598,474	Johnso	on			
128.	02/18/1997	5,603,179	Adam	ıs			
129.	04/08/1997	5,619,586	Sibbal	ld			
130.	04/22/1997	5,623,552	Lane				
131.	04/29/1997	5,625,448	Ranal	li et al.			
132.	05/13/1997	5,629,764	Bahug	guna et al.			
133.	07/01/1997	5,644,645	Osuga	1			
134.	07/15/1997	5,648,648	Chou	et al			
135.	07/22/1997	5,650,842	Maase	e et al.	·		
136.	10/21/1997	5,680,460	Tomk	o et al.			
137.	11/11/1997	5,686,765	Washi	ington			
138.	11/18/1997	5,689,576	Schne	eider et al.			
139.	12/30/1997	5,701,770	Cook	et al.			
140.	01/13/1998	5,708,497	Fujied	la			
141.	01/27/1998	5,712,912		o et al.			
142.	02/24/1998	5,721,583		la et al.			

EXAMINER	:
-----------------	---

DATE CONSIDERED:

INFORMATION ENSCLOSE RE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 404302000800

Application Number 10/014,290

Applicant

Kyoung I. MIN et al.

Filing Date December 10, 2001

Group Art Unit 2871

Mailing Date July 21, 2004

	143.	04/07/1998	5,736,734	Marcus et al.	
-	144.	04/07/1998	5,737,420	Tomko et al.	
	145.	04/07/1998	5,737,439	Lapsley et al.	
	146.	04/28/1998	5,745,046	Itsumi et al.	
•	147.	05/05/1998	5,748,765	Takhar	
	148.	05/05/1998	5,748,766	Maase et al.	
	149.	05/26/1998	5,757,278	Itsumi	
	150.	06/02/1998	5,761,330	Stoianov et al.	
	151.	06/09/1998	5,764,347	Podmaniczky et al.	
	152.	07/07/1998	5,778,089	Borza	
	153.	07/14/1998	5,781,651	Hsiao et al.	
	154.	08/04/1998	5,790,668	Tomko	
	155.	08/18/1998	5,796,857	Hara	
	156.	09/15/1998	5,808,729	Sugawara et al.	
	157.	09/29/1998	5,815,252	Price-Francis	
	158.	09/29/1998	5,815,598	Hara et al.	
	159.	10/06/1998	5,818,956	Tuli	
	160.	10/20/1998	5,825,005	Behnke	
	161.	10/20/1998	5,825,474	Maase	
	162.	10/27/1998	5,828,773	Setlak et al.	
	163.	11/03/1998	5,832,091	Tomko et al.	
	164.	11/17/1998	5,838,306	O'Connor et al.	
	165.	11/24/1998	5,841,907	Javidi et al.	
	166.	12/01/1998	5,844,287	Hassan et al.	
	167.	12/08/1998	5,847,876	Ferrante et al.	
	168.	12/08/1998	5,848,231	Teitelbaum et al.	
	169.	12/22/1998	5,852,670	Setlak et al.	
	170.	01/12/1999	5,859,420	Borza	
	171.	01/19/1999	5,862,248	Salatino et al.	

EXA	MIN	VER
------------	-----	------------

DATE CONSIDERED:

Form PTO-1449

Form PTO-1449
INFORMATION DISCLESSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Application Number 10/014,290

Applicant

Kyoung I. MIN et al.

Filing Date December 10, 2001

Group Art Unit 2871

Mailing Date July 21, 2004

					 	
	172.	02/02/1999	5,867,802	Borza		<u> </u>
	173.	02/09/1999	5,869,822	Meadows, II et al.		
	174.	03/09/1999	5,879,454	Peng		
	175.	04/06/1999	5,892,599	Bahuguna	•	
	176.	05/04/1999	5,900,993	Betensky	,	
	177.	05/11/1999	5,903,225	Schmitt et al.		
	178.	05/25/1999	5,907,627	Borza		
	179.	07/06/1999	5,920,384	Borza		
	180.	07/06/1999	5,920,640	Salatino et al.		
	181.	07/06/1999	5,920,642	Merjanian		
	182.	07/20/1999	5,926,261	Hoshino		
	183.	08/17/1999	5,937,557	Bowker et al.		
•	184.	08/17/1999	5,938,706	Feldman	· -	
	185.	08/17/1999	5,940,525	Itsumi		
	186.	08/17/1999	5,940,526	Setlak et al.		
	187.	08/24/1999	5,942,761	Tuli		
	188.	09/14/1999	5,952,588	Young		
	189.	09/14/1999	5,953,441	Setlak		
	190.	09/14/1999	5,953,442	Dydyk et al.	•	
	191.	09/21/1999	5,956,415	McCalley et al.		
	. 192.	10/05/1999	5,963,656	Bolle et al.		
	193.	10/05/1999	5,963,679	Setlak		
	194.	10/19/1999	5,970,405	Kaplan et al.		
	195.	10/26/1999	5,974,162	Metz et al.		
	196.	11/02/1999	5,978,495	Thomopoulus et al.		
	197.	11/02/1999	5,978,496	Harkin		
	198.	11/09/1999	5,982,894	McCalley et al.		
	199.	11/16/1999	5,986,746	Metz et al.		
	200.	11/23/1999	5,991,145	Lagrotta et al.		

EXAMINER:

DATE CONSIDERED:

Form PTO-1449 INFORMATION DISCLOSERE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 404302000800	Application Number 10/014,290							
Applicant								
Kyoung I. MIN et al.								

Filing Date December 10, 2001

Mailing Date July 21, 2004

Group Art Unit 2871

	201.	11/23/1999	5,991,467	Kamiko		T
	202.	11/30/1999	5,995,630	Borza	 -	,
		·		·	 - 	
	203.	12/14/1999	6,002,499	Corboline et al.		
_	204.	12/14/1999	6,002,770	Tomko et al.		
-	205.	12/21/1999	6,005,962	Hirota et al		
	206.	12/21/1999	6,006,328	Drake		,
	207.	01/04/2000	6,011,860	Fujieda et al.		
	208.	03/28/2000	6,044,128	Tanaka et al.		
	209.	09/05/2000	6,115,483	Suga		
_	210.	09/05/2000	6,115,484	Bowker et al.		
	211.	09/19/2000	6,122,394	Neukermans et al.		:
	212.	10/03/2000	6,127,674	Shinzaki et al		
	213.	11/21/2000	6,150,665	Suga		
	214.	01/16/2001	6,175,641	Kalló et al.		
	215.	02/06/2001	6,185,319	Fujiwara		
	216.	05/29/2001	6,239,468	Chang et al.		
	217.	06/05/2001	6,243,062	den Boer et al.		
	218.	10/09/2001	6,300,977	Waechter et al.		
	219.	04/30/2002	6,381,347	Teng et al.		
	220.	10/08/2002	6,463,166	Fujiwara		

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translat YES	tion NO
	221.	02/17/1982	EP 0 045 915	Europe			Abstract	
	222.	03/01/1995	EP 0 640 933	Europe			Abstract	
	223.	01/30/1980	JP 55-013446	Japan			Abstract	
	224.	05/09/1983	JP 58-076705	Japan			Abstract	
	225.	08/27/1983	JP 58-144280	Japan			Abstract	

EXAMINER:

DATE CONSIDERED:

Form PTO-1449 JUL 2 TOTALION INFORMATION SISCLOSUS CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 404302000800

Application Number 10/014,290

Applicant

Kyoung I. MIN et al.

Filing Date December 10, 2001

Group Art Unit 2871

Mailing Date July 21, 2004

226.	11/22/1983	JP 58-201178	Japan	Abstract
227.	03/28/1984	JP 59-053975	Japan	Abstract
228.	06/14/1984	JP 59-103175	Japan ·	Abstract
229.	08/10/1984	JP 59-139481	Japan	Abstract
230.	08/15/1984	JP 59-142675	Japan	Abstract
231.	11/19/1984	JP 59-204019	Japan	Abstract
232.	03/20/1985	JP 60-050406	Japan	Abstract
233.	03/01/1986	JP 61-043380	Japan	Abstract
234.	03/05/1986	JP 61-045371	Japan	Abstract
235.	03/27/1986	JP 61-059574	Japan	Abstract
236.	07/10/1986	JP 61-151788	Japan	Abstract
237.	07/12/1986	JP 61-153779	Japan	Abstract
238.	08/07/1986	JP 61-175866	Japan	Abstract
239.	08/07/1986	JP 61-175868	Japan	Abstract
240.	09/02/1986	ЈР 61-198211	Japan	Abstract
241.	09/06/1986	JP 61-201380	Japan	Abstract
242.	10/25/1986	JP 61-240383	Japan	Abstract
243.	12/23/1986	JP 61-292786	Japan	Abstract
244.	01/28/1987	JP 62-020081	Japan	Abstract
 245.	02/24/1987	JP 62-042285	Japan	Abstract
246.	03/20/1987	JP 62-063381	Japan	Abstract
247.	04/02/1987	JP 62-072081	Japan	Abstract
248.	04/04/1987	JP 62-074171	Japan	Abstract
249.	04/04/1987	JP 62-074172	Japan	Abstract
250.	04/04/1987	JP 62-074175	Japan	Abstract
251.	04/04/1987	JP 62-074176	Japan	Abstract
252.	04/11/1987	JP 62-079488	Japan	Abstract
253.	04/25/1987	JP 62-090780	Japan	Abstract
 254.	06/02/1987	JP 62-121587	Japan	Abstract

EXAMINER:

DATE CONSIDERED:

INFORMATION DISCLOSERE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 404302000800	
----------------------------	--

Application Number 10/014,290

Applicant

Kyoung I. MIN et al.

Filing Date December 10, 2001

Group Art Unit 2871

Mailing Date July 21, 2004

 255.	06/02/1987	JP 62-121588	Ionan		Abstract
 			Japan		
 256.	06/04/1987	JP 62-123580	Japan		Abstract
257.	07/09/1987	JP 62-154075	Japan		Abstract
 258.	08/22/1987	JP 62-191816	Japan		Abstract
 259.	09/11/1987	JP 62-206687	Japan		Abstract
260.	09/11/1987	JP 62-206688	Japan		Abstract
261.	09/11/1987	JP 62-206689	Japan		Abstract
262.	09/14/1987	JP 62-209686	Japan		Abstract
263.	10/15/1987	JP 62-235691	Japan		Abstract
264.	11/19/1987	JP 62-266686	Japan		Abstract
265.	01/05/1988	JP 63-000678	Japan		Abstract
266.	01/05/1988	JP 63-000679	Japan		Abstract
267.	03/24/1988	JP 63-065578	Japan		Abstract
268.	04/04/1988	JP 63-074026	Japan		Abstract
269.	05/27/1988	JP 63-124176	Japan		Abstract
270.	05/27/1988	JP 63-124177	Japan		Abstract
271.	06/29/1988	JP 63-156294	Japan		Abstract
272.	07/09/1988	JP 63-165982	Japan		Abstract
273.	07/21/1988	JP 63-177279	Japan		Abstract
274.	08/24/1988	JP 63-204374	Japan		Abstract
 275.	08/25/1988	JP 63-205777	Japan		Abstract
 276.	09/13/1988	JP 63-220216	Japan		Abstract
277.	09/14/1988	JP 63-221483	Japan		Abstract
 278.	09/14/1988	JP 63-221484	Japan		Abstract
279.	09/14/1988	JP 63-221485	Japan .		Abstract
280.	09/19/1988	JP 63-223875	Japan		Abstract
281.	09/22/1988	JP 63-228270	Japan		Abstract
 282.	09/22/1988	JP 63-228271	Japan	- VT	Abstract
283.	11/07/1988	JP 63-269258	Japan		Abstract

EXAMINER:

DATE CONSIDERED:

Application Number 10/014,290 Docket Number 404302000800 Form PTO-1449 Applicant MATION DISCLOSURE CITATION Kyoung I. MIN et al. IN AN APPLICATION Vse several sheets if necessary) Filing Date December 10, 2001 Group Art Unit 2871 Mailing Date July 21, 2004 11/11/1988 JP 63-273975 Japan Abstract 11/11/1988 JP 63-273976 285. Japan Abstract 286. 11/29/1988 JP 63-292275 Japan Abstract 287. 12/06/1988 JP 63-298484 Japan Abstract 288. 12/08/1988 JP 63-301368 Japan Abstract JP 63-301369 289. 12/08/1988 Japan Abstract JP 63-307586 290. 12/15/1988 Japan Abstract 291. JP 63-310087 12/19/1988 Japan Abstract 292. 12/20/1988 JP 63-311484 Japan **Abstract** 293. 01/18/1989 JP 01-013677 Japan Abstract 294. 01/18/1989 JP 01-013678 Japan Abstract 295. 02/08/1989 JP 01-037934 Japan Abstract 296. 02/20/1989 JP 01-046172 Japan Abstract 297. 03/06/1989 JP 01-058069 Japan Abstract 298. 03/14/1989 JP 01-068894 Japan Abstract 299. 03/22/1989 JP 01-076376 Japan Abstract 300. 04/13/1989 JP 01-094418 Japan Abstract 05/11/1989 JP 01-119881 301. Japan Abstract JP 01-119882 302. 05/11/1989 Japan Abstract JP 01-134687 303. 05/26/1989 Japan Abstract 304. 07/18/1989 JP 01-180685 Japan Abstract JP 01-180686 305. 07/18/1989 Japan Abstract 306. 08/17/1989 JP 01-205392 Japan Abstract 307. 08/17/1989 JP 01-205393 Japan Abstract 308. 09/06/1989 JP 01-223576 Japan Abstract 309. 10/11/1989 JP 01-254827 Japan Abstract 10/19/1989 310. JP 01-262838 Japan Abstract 311. 11/20/1989 JP 01-287786 Japan Abstract 312. 12/12/1989 JP 01-307886 Japan Abstract DATE CONSIDERED: **EXAMINER:** EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in

conformance and not considered. Include a copy of this form with next communication to applicant.

PTO/SB/ 08 (2-92) pa- 901579

Application Number 10/014,290 Docket Number 404302000800 Form PTO-1449 Applicant NEORMATION DISCLOSURE CITATION Kyoung I. MIN et al. IN AN APPLICATION Group Art Unit 2871 (Use several sheets if necessary) Filing Date December 10, 2001 Mailing Date July 21, 2004 12/19/1989 JP 01-314383 Japan Abstract 01/05/1990 JP 02-001242 314. Japan Abstract 315. 02/20/1990 JP 02-050782 Japan Abstract 05/15/1990 JP 02-126381 316. Japan Abstract 317. 06/05/1990 JP 02-146691 Japan Abstract 06/07/1990 JP 02-149253 318. Japan Abstract 319. JP 02-161931 06/21/1990 Japan Abstract 320. 06/25/1990 JP 02-164340 Japan Abstract 06/27/1990 JP 02-167138 321. Japan Abstract 07/10/1990 JP 02-176984 322. Japan **Abstract** 323. 08/01/1990 JP 02-194485 Abstract Japan 09/10/1990 JP 02-226493 324. Japan **Abstract** 325. JP 02-270087 11/05/1990 Japan Abstract 11/05/1990 JP 02-270088 326. Japan **Abstract** 327. 11/13/1990 JP 02-277182 Japan Abstract 04/18/1991 JP 03-092983 328. Japan Abstract 329. 04/18/1991 JP 03-092984 Japan **Abstract** 330. 04/25/1991 JP 03-100785 Japan Abstract 331. 05/10/1991 JP 03-110689 Japan Abstract 332. 05/15/1991 JP 03-113686 Japan Abstract 07/02/1991 JP 03-154182 A'estract 333. Japan 334. 07/31/1991 JP 03-176719 Japan Abstract 335. 08/26/1991 JP 03-194675 Japan Abstract JP 03-194676 08/26/1991 336. Japan Abstract JP 03-194677 337. 08/26/1991 Japan Abstract 09/25/1991 JP 03-217992 338. Japan Abstract 339. 10/30/1991 JP 03-244092 Japan Abstract 340. 11/05/1991 JP 03-246778 Japan Abstract 341. 01/28/1992 JP 04-024881 Japan Abstract DATE CONSIDERED: **EXAMINER:** EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in

conformance and not considered. Include a copy of this form with next communication to applicant.

PTO/SB/ 08 (2-92) pa- 901579 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Docket Number 404302000800 Application Number 10/014,290 Form PTO-1449 PNEORMATION DISCLOSURE CITATION Applicant Kyoung I. MIN et al. JN AN APPLICATION (Use several sheets if necessary) Filing Date December 10, 2001 Group Art Unit 2871 Mailing Date July 21, 2004 03/23/1992 JP 04-088586 Japan Abstract 03/25/1992 JP 04-092990 343. Japan Abstract 344. 04/21/1992 JP 04-120671 Japan Abstract 345. 04/27/1992 JP 04-125780 Japan Abstract 346. 06/30/1992 JP 04-182879 Japan Abstract 347. 07/08/1992 JP 04-190470 Abstract Japan 348. 08/19/1992 JP 04-230583 Japan Abstract 349. 08/31/1992 JP 04-242486 Japan Abstract 350. JP 04-252383 09/08/1992 Japan Abstract 351. 09/28/1992 JP 04-271477 Japan Abstract 352. 09/28/1992 JP 04-271478 Japan Abstract 353. 11/11/1992 JP 04-320899 Abstract Japan JP 04-367984 354. 12/21/1992 Japan Abstract 355. 04/23/1993 JP 05-101168 Japan Abstract 356. 07/02/1993 JP 05-168610 Japan Abstract 357. 09/21/1993 JP 05-242230 Japan **Abstract** 358. 10/15/1993 JP 05-266174 Japan Abstract 359. 11/12/1993 JP 05-298431 Japan Abstract 360. 07/15/1994 JP 06-195450 Japan Abstract JP 06-282636 361. 10/07/1994 Japan Abstract 362. 07/11/1995 JP 07-171137 Japan Abstract 363. 08/08/1995 JP 07-208001 Japan Abstract 364. 08/18/1995 JP 07-220041 Japan Abstract 10/13/1995 JP 07-262380 365. Japan Abstract 366. 11/28/1995 JP 07-308308 Japan Abstract 367. 12/08/1995 JP 07-319059 Japan Abstract 12/19/1995 JP 07-331939 368. Japan Abstract 369. 05/31/1996 JP 08-138046 Japan Abstract 370. 05/20/1997 JP 09-134419 Japan Abstract DATE CONSIDERED: **EXAMINER:** EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in

conformance and not considered. Include a copy of this form with next communication to applicant.

PTO/SB/ 08 (2-92) pa- 901579

Form PTO-1449					Docket Number 404302000800		Application Number 10/014,290		
PIEFO	MATI	ON DISCLO	SURE CITATION ATION necessary)	Applicant Kyoung I. MIN et al.					
7004	(U.	'se several sheets if i	necessary)		Filing Date December 10), 2001	Group Art Unit	2871	
71/1 C	\$				Mailing Date July 21, 20	04	.1		
PEAT . TRADE	7	· · ·			L.,,				
	371.	01/20/1998	JP 10-014904	Japa	an .			Abstract	
	372.	07/30/1999	JP 11-203041	Japa	an			Abstract	
	373.	09/21/1993	KR 1993-242230	Kor	rea			Abstract Only	
	374.	04/20/1996	KR 1996-011690	Kor	rea			Abstract Only	
	375.	08/05/2000	KR 10-2000-0050137	Kor	rea			Abstract Only	
	376.	11/06/2000	KR 10-2000-0063878	Kor	rea			Abstract Only	
	377.	01/05/2001	KR 10-2001-0000324	Kor	rea			Abstract Only	
	378. 01/05/2001		KR 10-2001-0000508	Kor	rea			Abstract Only	
	379.	01/15/2001	KR 10-2001-0002816	Kor	rea			Abstract Only	
	380.	05/07/2001	KR 10-2001-0035260	Kor	rea			Abstract Only	
	381.	05/07/2001	KR 10-2001-0035295	Kor	rea			Abstract Only	
	382.	07/04/2001	KR 10-2001-0057120	Kor	rea			Abstract Only	
	383.	08/04/2001	KR 10-2001-0074375	Kor	rea			Abstract Only	
	384.	08/25/2001	KR 10-2001-0080832	Kor	rea			Abstract Only	
	385.	09/01/2001	KR 10-2001-0083355	Kor	rea			Abstract Only	
	386.	05/09/1996	WO 96/13800	WI	PO				
	387.	02/15/2001	WO 01/11549	WI	РО				
	388.	03/04/2004	WO 2004/019382	WI	PO				
			OTHE	R D	OCUMENTS	(includi	ng author, title, Da	nte, Pertinent Page.	s, Etc.)
Examiner Initials	Ref. No.	Title							
	389. AuthenTec, Inc. Personal Security for the Real World. (Date Unknown). "A Comparison of Capacitive and Electric-Field Based Human Fingerprint Readers: The Basic Transducer Physics," located at: http://www.authentec.com/efield.html .>							i	
	390.	Isobe, Y. et al. (2001). "Development of Personal Authentication System Using Fingerprint with Digital Signature Technologies," <i>Proceedings of the 34th Hawaii International Conference on System Sciences, IEEE</i> pp. 1-9.							
	391.	Kim, J.H. et a	1. (2000). "Fingerprint	Scanr	ner Using a-Si: H TF1	Г-Аттау," <i>SID</i>	Digest pp. 35	3-355.	
	392.	Pettersson, M. Biometrics AB	. et al. (November 16, 2 3 pp. 1-5.	2001).	. "Ensuring Integrity	with Fingerpr	int Verification	ı," Precise	
	393.	Ruiz-Mezcua,	B. et al. (1999). "Bion	metric	es Verification in a Re	eal Environme	ent," <i>IEEE</i> pp.	243-246.	
EXAMI	NER:			<u>.</u>	DATE CONS	IDERED:			

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

VSB/ 08 (2-92) 901579

Form PTO-1	1449		Docket Number 404302000800	Application Number 10/014,290				
() , s		ON DISCLOSURE CITATION AN APPLICATION	Applicant Kyoung I. MIN et al.					
21 2004	발(U	se several sheets if necessary)	Filing Date December 10, 2001	Group Art Unit 2871				
in ,	\$		Mailing Date July 21, 2004					
FAT & TRADEN								
3	394.	Sanchez-Reillo, R. et al. (February, 200 Smart Cards," <i>IEEE AES Systems Maga</i> .	•	Hand Geometry Verification and				
3	395. Verlinde, P. et al. (2000). "Multi-Modal Identity Verification Using Expert Fusion," Information Fusion 1:17-33.							

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

PTO/SB/ 08 (2-92) pa- 901579 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE